

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/800,362A  
Source: 1Fw16  
Date Processed by STIC: 6/14/06

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 06/14/2006

PATENT APPLICATION: US/10/800,362A

TIME: 10:02:50

Input Set : A:\407J-002000US Sequence.ST25.txt

Output Set: N:\CRF4\06142006\J800362A.raw

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3 <110> APPLICANT: The Regents of the University of California
4     Pardridge, William M
5     Boado, Ruben J
7 <120> TITLE OF INVENTION: Delivery of Genes Encoding Short Hairpin RNA Using
8     Receptor-Specific Nanocontainers
10 <130> FILE REFERENCE: 407J-002000US
12 <140> CURRENT APPLICATION NUMBER: 10/800,362A
13 <141> CURRENT FILING DATE: 2004-03-12
15 <160> NUMBER OF SEQ ID NOS: 21
17 <170> SOFTWARE: PatentIn version 3.3
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20 <211> LENGTH: 29
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22 <213> ORGANISM: Homo sapiens
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25 ccucaccucc accgugcaac ucaucacgc                29
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 74
30 <212> TYPE: RNA
31 <213> ORGANISM: Artificial
33 <220> FEATURE:
34 <223> OTHER INFORMATION: short hairpin RNA
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43 <211> LENGTH: 74
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45 <213> ORGANISM: Homo sapiens
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50 ggtagcgctt tttt                                74
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54 <211> LENGTH: 82
55 <212> TYPE: DNA
56 <213> ORGANISM: Homo sapiens
58 <400> SEQUENCE: 4
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61 cgggacggcc ggggcagcgg cc                        82
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 74
66 <212> TYPE: DNA
67 <213> ORGANISM: Homo sapiens

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72 aagattcctt tttt 74
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 82
77 <212> TYPE: DNA
78 <213> ORGANISM: Homo sapiens
80 <400> SEQUENCE: 6
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83 acgaatgggc ctaagatcgg cc 82
86 <210> SEQ ID NO: 7
87 <211> LENGTH: 74
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 7
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94 caggactttt tttt 74
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 82
99 <212> TYPE: DNA
100 <213> ORGANISM: Homo sapiens
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105 cctgactacc agcaggacgg cc 82
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109 <211> LENGTH: 74
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127 gcacggtgta taaggacgg cc 82
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 74
132 <212> TYPE: DNA
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157 <400> SEQUENCE: 13
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171 gcgagatctc ctccatccgg cc                                             82
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175 <211> LENGTH: 72
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
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186 <211> LENGTH: 80
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188 <213> ORGANISM: Homo sapiens
190 <400> SEQUENCE: 16
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197 <211> LENGTH: 72
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204 gacatctttt tt                                                         72
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208 <211> LENGTH: 80
209 <212> TYPE: DNA
210 <213> ORGANISM: Homo sapiens
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219 <211> LENGTH: 72
220 <212> TYPE: DNA
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231 <212> TYPE: DNA
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241 <211> LENGTH: 5532
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250 gcacggcccc ctgactccgt ccagttattga tcgggagagc cggagcgagc tcttcgggga      180
252 gcagcgatgc gacctccggg gacggccggg gcagcgctcc tggcgctgct ggctgcgctc      240
254 tgcccgcgca gtcgggctct ggaggaaaag aaagtttgcc aaggcacgag taacaagctc      300
256 acgcagttgg gcacttttga agatcatttt ctcagcctcc agaggatgtt caataactgt      360
258 gaggtggtcc ttgggaattt ggaaattacc tatgtgcaga ggaattatga tctttccttc      420
260 ttaaagacca tccaggaggt ggctgggtat gtcctcattg ccctcaacac agtggagcga      480
262 attccttttg aaaacctgca gatcatcaga ggaaatatgt actacgaaaa ttcctatgcc      540
264 ttagcagctc tatctaacta tgatgcaaat aaaaccggac tgaaggagct gcccatgaga      600
266 aatttacagg aaatcctgca tggcgccgtg cgggttcagca acaacctgc cctgtgcaac      660
268 gtggagagca tccagtggcg ggacatagtc agcagtgact ttctcagcaa catgtcgatg      720
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272 tgctggggtg caggagagga gaactgccag aaactgacca aaatcatctg tgcccagcag      840
274 tgctccgggc gctgccgtgg caagtcccc agtgactgct gccacaacca gtgtgctgca      900
276 ggctgcacag gccccggga gagcgactgc ctggtctgcc gcaaattccg agacgaagcc      960
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306 tgcaagcttc tggagggtga gccaaaggag tttgtggaga actctgagtg catacagtgc      1860
308 caccagaggt gcctgcctca ggccatgaac atcacctgca caggacgggg accagacaac      1920
310 tgtatccagt gtgccacta cattgacggc cccactgcg tcaagacctg cccggcagga      1980
312 gtcattgggag aaaacaacac cctggtctgg aagtacgcag acgccggcca tgtgtgccac      2040

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314	ctgtgccatc	caaactgcac	ctacggatgc	actgggccag	gtcttgaagg	ctgtccaacg	2100
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318	gtggtggccc	tggggatcgg	cctcttcatg	cgaaggcgcc	acatcgttcg	gaagcgcacg	2220
320	ctgcgaggcg	tgctgcagga	gagggagctt	gtggagcctc	ttacaccag	tggagaagct	2280
322	cccaaccaag	ctctcttgag	gatcttgaag	gaaactgaat	tcaaaaagat	caaagtgctg	2340
324	ggctccggtg	cgttcggcac	ggtgtataag	ggactctgga	tcccagaagg	tgagaaagtt	2400
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328	atcctcgatg	aagcctacgt	gatggccagc	gtggacaacc	cccacgtgtg	ccgcctgctg	2520
330	ggcatctgcc	tcacctccac	cgtgcaactc	atcacgcagc	tcatgccctt	cggtgcctc	2580
332	ctggactatg	tccgggaaca	caaagacaat	attggctccc	agtacctgct	caactggtgt	2640
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336	gcagccagga	acgtactggt	gaaaacaccg	cagcatgtca	agatcacaga	ttttgggctg	2760
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340	aagtggatgg	cattggaatc	aattttacac	agaatctata	cccaccagag	tgatgtctgg	2880
342	agctacgggg	tgaccgtttg	ggagttgatg	acctttggat	ccaagccata	tgacggaatc	2940
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352	cgtgccctga	tggatgaaga	agacatggac	gacgtggtgg	atgccgacga	gtacctcatc	3240
354	ccacagcagg	gcttcttcag	cagccccctc	acgtcacgga	ctccccctct	gagctctctg	3300
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408	aaccccccaa	aattagtttg	tgttacttat	ggaagatagt	tttctccttt	tacttcaact	4920
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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 06/14/2006  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2

**VERIFICATION SUMMARY**

DATE: 06/14/2006

PATENT APPLICATION: US/10/800,362A

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Input Set : A:\407J-002000US Sequence.ST25.txt

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